

## **ABSTRACT**

The invention is directed to a method for controlling the temperature of at least one catalyst arranged in an exhaust gas cleaning system (12) of a lean-runnable multi-cylinder engine (10), wherein energy is introduced into the exhaust gas cleaning system (12) by a lambda split, and to a corresponding multicylinder engine (10). It is provided that the introduction of energy is limited depending on at least one of the parameters catalyst temperature, exhaust gas temperature and exhaust gas mass flow rate, and/or at least one of the parameters change of the catalyst temperature, change of the exhaust gas temperature and change of the exhaust gas mass flow rate, or at least one of the parameters rate of change of the catalyst temperature, rate of change of the exhaust gas temperature and rate of change of the exhaust gas mass flow rate.